Datasheet for ABIN7195930

GBA3 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	GBA3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GBA3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GBA3/CBGL1 Protein (His Tag)(Active)
Sequence:	Met 1-Leu 469
Characteristics:	A DNA sequence encoding the human GBA3 (NP_066024.1) (Met 1-Leu 469) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to hydrolyze 4-methylumbelliferyl-β-D glucopyranoside. The specific activity is >1,500 pmoles/min/µg.

Target Details

Target:	GBA3

Target Details

Alternative Name:	GBA3/CBGL1 (GBA3 Products)
Background:	Background: "Cytosolic beta-glucosidase, also known as Cytosolic beta-glucosidase-like protein 1, GBA3, CBG and CBGL1 is a cytoplasm protein which belongs to the glycosyl hydrolase 1 family and Klotho subfamily. GBA3 / CBGL1 is a glycosidase probably involved in the intestinal absorption and metabolism of dietary flavonoid glycosides. GBA3 / CBGL1 is present in small intestine (at protein level). GBA3 / CBGL1 is expressed in liver, small intestine, colon, spleen and kidney. GBA3 / CBGL1 is down-regulated in renal cell carcinomas and hepatocellular carcinomas. GBA3 / CBGL1 is able to hydrolyze a broad variety of glycosides including phytoestrogens, flavonols, flavones, flavanones and cyanogens. GBA3 / CBGL1 possesses beta-glycosylceramidase activity and may be involved in a nonlysosomal catabolic pathway of glycosylceramide. Synonym: CBG;CBGL1;GBA3;GLUC;KLrP;MGC104276;MGC126878
Molecular Weight:	55 kDa
NCBI Accession:	NP_066024

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.